B1 Cont.

a machine actuator having a functional part with a short circuit arrangement associated with said rotor for operating said actuator, said short circuit arrangement being at least one of hollow and solid short circuit conductors explosion welded to said rotor.

21. (Amended) An electric motor drive, comprising:

a stator;

a non-rotary shaft carrying said stator, said non-rotary shaft is hollow and is configured for the flow in an axial direction therethrough of a cooling fluid including at least over-press air;

a plurality of bearings connected to said non-rotary shaft;

a rotor rotatably positioned around said stator, said rotor being rotatably carried by said bearings; and

B2

a machine actuator having a functional part with a short circuit arrangement associated with said rotor for operating said actuator.

22. (Amended) An electric motor drive, comprising:

a stator;

a non-rotary shaft carrying said stator;

a plurality of bearings connected to said non-rotary shaft;

a rotor rotatably positioned around said stator, said rotor being rotatably carried by said bearings;

a machine actuator having a functional part with a short circuit means associated with said rotor for operating said actuator; and

B2 Cont

hollow short circuit conductors configured for the flow therethrough of a cooling fluid including at least over-press air, said hollow short circuit conductors are said short circuit means.

26. (Amended) An electric motor drive, comprising:

a stator;

a non-rotary shaft carrying said stator;

a plurality of bearings connected to said non-rotary shaft;

B3

a stationary vacuum box;

at least one supporting bracket being attached to said stationary vacuum box, said non-rotary shaft being attached to said at least one supporting bracket;

a rotor rotatably positioned around said stator, said rotor being rotatably carried by said bearings, said rotor being configured as a shell of a vacuum belt conveyor pulley; and

a machine actuator having a functional part with a short circuit arrangement associated with said rotor for operating said actuator.

31. (Amended) A method of constructing an electric motor drive comprising the steps of:

mounting a stator on a non-rotary shaft;

positioning a rotor around said stator;

B4

connecting said rotor to said non-rotary shaft with bearings; and

incorporating a short circuit arrangement into said rotor, said short circuit arrangement being at least one of hollow and solid short circuit conductors explosion welded to said rotor;

wherein said rotor is configured as a functional part of a machine actuator.

33. (Amended) A method of constructing an electric motor drive comprising the steps of:

mounting a stator on a non-rotary shaft;

positioning a rotor around said stator;

connecting said rotor to said non-rotary shaft with bearings;

incorporating a short circuit arrangement into said rotor;

cooling said electric motor drive with a cooling fluid including at least one of over-press air; and

directing said cooling fluid, said non-rotary shaft being hollow, said cooling fluid being so directed through at least one of said hollow non-rotary shaft and hollow short-circuit conductors;

wherein said rotor is configured as a functional part of a machine actuator.

35. (Amended) A method of constructing an electric motor drive comprising the steps of:

mounting a stator on a non-rotary shaft;

positioning a rotor around said stator;

connecting said rotor to said non-rotary shaft with bearings;

incorporating a short circuit arrangement into said rotor;

forming said rotor as a shell of a vacuum belt conveyor pulley;

providing a stationary vacuum box;

attaching at least one supporting bracket to said stationary vacuum box; and

attaching said non-rotary shaft to said at least one supporting bracket;

wherein said rotor is configured as a functional part of a machine actuator.